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File 605/8

ORIGINAL CL BY 235979
☐ DECL ☒ REVW ON 2010
 EXT BYND 6 YRS BY 3 AMC
 REASON 3 d (3)

PROGRESS REPORT
 FOR
 MONTH OF AUGUST 1959

DOC <u>24</u>	REV DATE <u>30 APR 1980</u>	BY <u>0183B</u>
ORIG COMP <u>33</u>	OPI <u>56</u>	TYPE <u>03</u>
ORIG CLASS <u>14</u>	PAGES <u>1</u>	REV CLASS <u>C</u>
JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: HR 70-2

BROADBAND ANTENNA, FILTER AND DETECTOR SYSTEMS

Purpose: To develop a system of antennas, filters and detectors for the 50 MC to 40,000 MC frequency range.

Personnel: Electrical Engineers:

25X1

Status: Investigation of the impedance of the 500 MC to 10,000 MC antenna as a function of its parameters was continued. A printed transmission line filter scheme that theoretically should make the periodicity of response infrequent enough for our purposes was devised.

Future Plans: The filter investigation will continue and work on the antenna for use above 10 KMC will begin.

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